

# kshahnanshah

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Printer: cm1\_8e12\_gbelptr

Date: 01/12/02

Time: 21:18:02

## Document Listing

Document	Selected Pages	Page Range
US004968619	36	1 - 36
Total (1)	36	-

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**Walk-Up\_Printing**

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UserID: KSS

Printer: cm1\_8e12\_gblaptr

## Summary

Document	Pages	Printed	Missed
US005672345	39	39	0
Total (1)	39	39	0

# kshahnanshah

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Printer: cm1\_8e12\_gbelptr

Date: 01/12/02

Time: 21:19:23

## Document Listing

Document	Selected Pages	Page Range
US005294441	38	1 - 38
Total (1)	38	-

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Terms	Documents
11 and Curtiss	38

**Database:** US Patents Full-Text Database  
US Pre-Grant Publication Full-Text Database  
JPO Abstracts Database  
EPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

Refine Search:

11 and Curtiss

[Clear](#)**Search History****Today's Date: 1/12/2002**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,PGPB,JPAB,EPAB,DWPI	11 and Curtiss	38	<a href="#">L4</a>
USPT	11 and Curtiss	38	<a href="#">L3</a>
USPT	11 and Curtiss/AU	0	<a href="#">L2</a>
USPT	DAP	2338	<a href="#">L1</a>

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**UserID: kshahnanshah**  
**Printer: cm1\_8e12\_gbelptr**

**Summary**

Document	Pages	Printed	Missed
US005855879	37	37	0
Total (1)	37	37	0

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**UserID: kshahnanshah**  
**Printer: cm1\_8e12\_gbelptr**

**Summary**

Document	Pages	Printed	Missed
US005840483	39	39	0
Total (1)	39	39	0

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Printer: cm1\_8e12\_gbelptr

Date: 01/12/02

Time: 20:55:57

## Document Listing

Document	Selected Pages	Page Range
US005888799	15	1 - 15
Total (1)	15	-

**WEST**[Generate Collection](#)**Search Results - Record(s) 1 through 10 of 38 returned.**☐ 1. Document ID: US 6287556 B1

L4: Entry 1 of 38

File: USPT

Sep 11, 2001

US-PAT-NO: 6287556

DOCUMENT-IDENTIFIER: US 6287556 B1

TITLE: Intracellular delivery vehicles

DATE-ISSUED: September 11, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Portnoy; Daniel A.	Berkeley	CA		
Higgins; Darren E.	Berkeley	CA		

US-CL-CURRENT: 424/93.1; 424/184.1, 424/93.2, 424/93.4, 435/252.1, 435/252.3,  
514/2, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 6235971 B1

L4: Entry 2 of 38

File: USPT

May 22, 2001

US-PAT-NO: 6235971

DOCUMENT-IDENTIFIER: US 6235971 B1

TITLE: Expression of sucrose phosphorylase in plants

DATE-ISSUED: May 22, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barry; Gerard Francis	St. Louis	MO		
deWeerd; Jan Willem	Meridian	MO		
Kishore; Ganesh Murthy	Chesterfield	MO		
Weldon; Marcia Lee	Bonne Terre	MO		

US-CL-CURRENT: 800/278; 435/320.1, 435/419, 435/488, 536/23.2, 536/23.7,  
536/24.1, 800/295, 800/298

Full	Title	Citation	Front	Review	Classification	Date	Reference	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 6221364 B1

L4: Entry 3 of 38

File: USPT

Apr 24, 2001

US-PAT-NO: 6221364

DOCUMENT-IDENTIFIER: US 6221364 B1

TITLE: Recombinant mycobacteria auxotrophic for diaminopimelate

DATE-ISSUED: April 24, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pavelka, Jr.; Martin S.	Bronx	NY		
Jacobs, Jr.; William R.	City Island	NY		

US-CL-CURRENT: 424/248.1; 424/184.1, 424/200.1, 424/234.1, 435/252.1,  
435/252.3, 435/253.1, 435/471, 435/473, 435/476, 435/91.4

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 6150170 A

L4: Entry 4 of 38

File: USPT

Nov 21, 2000

US-PAT-NO: 6150170

DOCUMENT-IDENTIFIER: US 6150170 A

TITLE: Method for introducing and expressing genes in animal cells, and live  
invasive bacterial vectors for use in the same

DATE-ISSUED: November 21, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Powell; Robert J.	Baltimore	MD		
Lewis; George K.	Baltimore	MD		
Hone; David M.	Ellicott City	MD		

US-CL-CURRENT: 435/455; 424/184.1, 424/93.1, 424/93.21, 424/93.4, 435/320.1,  
435/472, 435/480, 435/69.1, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 6024961 A

L4: Entry 5 of 38

File: USPT

Feb 15, 2000

US-PAT-NO: 6024961

DOCUMENT-IDENTIFIER: US 6024961 A

TITLE: Recombinant avirulent immunogenic S typhi having rpos positive phenotype

DATE-ISSUED: February 15, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Curtiss, III; Roy	St. Louis	MO		
Nickerson; Cheryl A.	Chesterfield	MO		

US-CL-CURRENT: 424/200.1; 424/93.2, 435/252.3, 435/252.8, 435/27, 435/29,  
435/4, 435/471

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 6004815 A

L4: Entry 6 of 38

File: USPT

Dec 21, 1999

US-PAT-NO: 6004815

DOCUMENT-IDENTIFIER: US 6004815 A

TITLE: Bacteria expressing nonsecreted cytolysin as intracellular microbial delivery vehicles to eukaryotic cells

DATE-ISSUED: December 21, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Portnoy; Daniel A.	Berkeley	CA		
Higgins; Darren E.	Berkeley	CA		

US-CL-CURRENT: 435/454; 424/200.1, 435/252.3, 435/252.33, 435/325, 435/373

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 7. Document ID: US 5922583 A

L4: Entry 7 of 38

File: USPT

Jul 13, 1999

US-PAT-NO: 5922583

DOCUMENT-IDENTIFIER: US 5922583 A

TITLE: Methods for production of recombinant plasmids

DATE-ISSUED: July 13, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morsey; Mohamad A.	Saskatoon			CAX

US-CL-CURRENT: 424/93.2; 435/183, 435/252.3, 435/252.33, 435/320.1, 435/325,  
435/455, 435/464, 435/476, 435/480, 435/69.1, 435/91.1, 435/91.4, 514/44,  
536/23.1, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 5888810 A

L4: Entry 8 of 38

File: USPT

Mar 30, 1999

US-PAT-NO: 5888810

DOCUMENT-IDENTIFIER: US 5888810 A

TITLE: Campylobacteri jejuni flagellin-escherichia coli LT-B fusion protein

DATE-ISSUED: March 30, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Meinersmann; Richard J.	Lithonia	GA		
Khoury; Christian A.	Philadelphia	PA		

US-CL-CURRENT: 435/320.1; 435/325, 435/69.3, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 9. Document ID: US 5888799 A

L4: Entry 9 of 38

File: USPT

Mar 30, 1999

US-PAT-NO: 5888799

DOCUMENT-IDENTIFIER: US 5888799 A

TITLE: Recombinant avirulent bacterial antigen delivery system

DATE-ISSUED: March 30, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Curtiss, III</u> ; Roy	St. Louis	MO		

US-CL-CURRENT: 435/252.3; 424/184.1, 424/257.1, 424/258.1, 435/243, 435/252.8

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 10. Document ID: US 5877159 A

L4: Entry 10 of 38

File: USPT

Mar 2, 1999

US-PAT-NO: 5877159

DOCUMENT-IDENTIFIER: US 5877159 A

TITLE: Method for introducing and expressing genes in animal cells and live  
invasive bacterial vectors for use in the same

DATE-ISSUED: March 2, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Powell; Robert J.	Baltimore	MD		
Lewis; George K.	Baltimore	MD		
Hone; David M.	Ellicott City	MD		

US-CL-CURRENT: 514/44; 424/184.1, 424/93.1, 424/93.21, 424/93.4, 435/235.1,  
435/320.1, 435/472, 435/480, 435/69.1, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference
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Terms	Documents
11 and Curtiss	38

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Documents, starting with Document:

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Search Results - Record(s) 11 through 20 of 38 returned.

☐ 11. Document ID: US 5855880 A

L4: Entry 11 of 38

File: USPT

Jan 5, 1999

US-PAT-NO: 5855880

DOCUMENT-IDENTIFIER: US 5855880 A

TITLE: Avirulent microbes and uses therefor

DATE-ISSUED: January 5, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Curtiss, III; Roy</u>	St. Louis	MO		
Kelly; Sandra M.	St. Louis	MO		

US-CL-CURRENT: 424/93.2; 424/184.1, 424/200.1, 424/235.1, 424/257.1, 424/258.1,  
424/93.48, 435/252.3, 435/252.33, 435/320.1, 435/879[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#)[KIMC](#) | [Draw Desc](#) | [Image](#)☐ 12. Document ID: US 5855879 A

L4: Entry 12 of 38

File: USPT

Jan 5, 1999

US-PAT-NO: 5855879

DOCUMENT-IDENTIFIER: US 5855879 A

TITLE: Avirulent microbes and uses therefor

DATE-ISSUED: January 5, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Curtiss III; Roy</u>	St. Louis	MO		

US-CL-CURRENT: 424/93.2; 424/184.1, 424/200.1, 424/235.1, 424/257.1, 424/258.1,  
424/93.48, 435/252.3, 435/252.33, 435/320.1, 435/879[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#)[KIMC](#) | [Draw Desc](#) | [Image](#)☐ 13. Document ID: US 5840483 A

L4: Entry 13 of 38

File: USPT

Nov 24, 1998

US-PAT-NO: 5840483

DOCUMENT-IDENTIFIER: US 5840483 A

TITLE: Method of maintaining a desired recombinant gene in a genetic population of cells

DATE-ISSUED: November 24, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Curtiss, III; Roy	St. Louis	MO		

US-CL-CURRENT: 435/6; 435/252.3, 435/252.33, 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 14. Document ID: US 5837825 A

L4: Entry 14 of 38

File: USPT

Nov 17, 1998

US-PAT-NO: 5837825

DOCUMENT-IDENTIFIER: US 5837825 A

TITLE: Campylobacter jejuni flagellin/Escherichia coli LT-B fusion protein

DATE-ISSUED: November 17, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Meinersmann; Richard J.	Lithonia	GA		
Khoury; Christian A.	Philadelphia	PA		

US-CL-CURRENT: 530/403; 424/190.1, 424/192.1, 424/193.1, 424/194.1, 424/197.11, 424/241.1, 424/242.1, 530/402, 530/825

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 15. Document ID: US 5824538 A

L4: Entry 15 of 38

File: USPT

Oct 20, 1998

US-PAT-NO: 5824538

DOCUMENT-IDENTIFIER: US 5824538 A

TITLE: Shigella vector for delivering DNA to a mammalian cell

DATE-ISSUED: October 20, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Branstrom; Arthur A.	Rockville	MD		
Sizemore; Donata R.	Gaithersburg	MD		
Sadoff; Jerald C.	Washington	DC		

US-CL-CURRENT: 435/252.1; 424/93.2, 435/245, 435/252.3, 435/455, 435/822

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KIMC	Draw Desc	Image
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☐ 16. Document ID: US 5795745 A

L4: Entry 16 of 38

File: USPT

Aug 18, 1998

US-PAT-NO: 5795745

DOCUMENT-IDENTIFIER: US 5795745 A

TITLE: Human growth hormone

DATE-ISSUED: August 18, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goeddel; David V.	Burlingame	CA		
Heyneker; Herbert L.	Burlingame	CA		

US-CL-CURRENT: 435/69.4; 435/252.3, 435/252.33, 435/320.1, 435/69.1, 435/69.7,  
435/91.1, 435/91.4, 435/91.42, 435/91.5

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KIMC	Draw Desc	Image
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☐ 17. Document ID: US 5672345 A

L4: Entry 17 of 38

File: USPT

Sep 30, 1997

US-PAT-NO: 5672345

DOCUMENT-IDENTIFIER: US 5672345 A

TITLE: Selective maintenance of a recombinant gene in a population of vaccine cells

DATE-ISSUED: September 30, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Curtiss</u> , III; Roy	St. Louis	MO		

US-CL-CURRENT: 424/93.2; 435/252.3, 435/69.1, 435/71.2

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KIMC	Draw Desc	Image
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☐ 18. Document ID: US 5656488 A

L4: Entry 18 of 38

File: USPT

Aug 12, 1997

US-PAT-NO: 5656488  
DOCUMENT-IDENTIFIER: US 5656488 A

TITLE: Recombinant avirulent salmonella antifertility vaccines

DATE-ISSUED: August 12, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Curtiss, III; Roy</u>	St. Louis	MO		
Tung; Kenneth S. K.	Charlottesville	VA		

US-CL-CURRENT: 435/252.33; 424/184.1, 424/200.1, 435/252.3, 435/252.8,  
435/69.3, 530/395

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 19. Document ID: US 5643771 A

L4: Entry 19 of 38

File: USPT

Jul 1, 1997

US-PAT-NO: 5643771

DOCUMENT-IDENTIFIER: US 5643771 A

TITLE: Non-reverting live bacterial vaccines

DATE-ISSUED: July 1, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stocker; Bruce Arnold D.	Portola Valley	CA		

US-CL-CURRENT: 435/473; 424/184.1, 424/234.1, 424/240.1, 424/249.1, 424/258.1,  
424/282.1, 424/93.1, 435/243, 435/245, 435/252, 435/252.1, 435/252.3,  
435/252.4, 435/252.8, 435/253.1, 435/477, 435/71.1

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 20. Document ID: US 5424199 A

L4: Entry 20 of 38

File: USPT

Jun 13, 1995

US-PAT-NO: 5424199

DOCUMENT-IDENTIFIER: US 5424199 A

TITLE: Human growth hormone

DATE-ISSUED: June 13, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goeddel; David V.	Burlingame	CA		
Heyneker; Herbert L.	Burlingame	CA		

US-CL-CURRENT: 435/69.4; 435/320.1, 435/68.1, 435/69.1, 435/69.7, 435/91.1,  
435/91.4, 435/91.42, 435/91.5

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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Terms	Documents
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Documents, starting with Document:

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**Search Results - Record(s) 21 through 30 of 38 returned.**☐ 21. Document ID: US 5424065 A

L4: Entry 21 of 38

File: USPT

Jun 13, 1995

US-PAT-NO: 5424065

DOCUMENT-IDENTIFIER: US 5424065 A

TITLE: Vaccines containing avirulent phop-type microorganisms

DATE-ISSUED: June 13, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Curtiss, III; Roy</u>	St. Louis	MO		
Galan; Jorge	St. Louis	MO		

US-CL-CURRENT: 424/93.2; 424/184.1, 424/93.48, 435/252.3, 435/252.8, 435/69.1,  
435/71.1

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 22. Document ID: US 5387744 A

L4: Entry 22 of 38

File: USPT

Feb 7, 1995

US-PAT-NO: 5387744

DOCUMENT-IDENTIFIER: US 5387744 A

TITLE: Avirulent microbes and uses therefor: Salmonella typhi

DATE-ISSUED: February 7, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Curtiss, III; Roy</u>	St. Louis	MO		
Kelly; Sandra M.	St. Louis	MO		

US-CL-CURRENT: 424/258.1; 435/252.3, 435/252.33, 435/320.1, 435/879

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 23. Document ID: US 5364774 A

L4: Entry 23 of 38

File: USPT

Nov 15, 1994

US-PAT-NO: 5364774  
DOCUMENT-IDENTIFIER: US 5364774 A  
  
TITLE: Treponema hyodysenteriae vaccine  
  
DATE-ISSUED: November 15, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Muir; Susie Jane	Weesp			NLX
Koopman; Marcel B. H.	Weesp			NLX
Kusters; Johannes G.	Weesp			NLX

US-CL-CURRENT: 435/320.1; 435/235.1, 435/252.3, 530/350, 536/23.2, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 24. Document ID: US 5294441 A

L4: Entry 24 of 38 File: USPT Mar 15, 1994  
US-PAT-NO: 5294441  
DOCUMENT-IDENTIFIER: US 5294441 A

TITLE: Avirulent microbes and uses therefor: salmonella typhi

DATE-ISSUED: March 15, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Curtiss, III</u> ; Roy	St. Louis	MO		

US-CL-CURRENT: 424/200.1; 424/235.1, 424/258.1, 435/252.3, 435/252.33,  
435/320.1, 435/879

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 25. Document ID: US 4968619 A

L4: Entry 25 of 38 File: USPT Nov 6, 1990  
US-PAT-NO: 4968619  
DOCUMENT-IDENTIFIER: US 4968619 A

TITLE: Modified microorganisms and method of preparing and using same

DATE-ISSUED: November 6, 1990

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Curtiss, III</u> ; Roy	St. Louis	MO		

US-CL-CURRENT: 435/252.33; 435/252.8, 435/849

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 26. Document ID: US 4888170 A

L4: Entry 26 of 38

File: USPT

Dec 19, 1989

US-PAT-NO: 4888170

DOCUMENT-IDENTIFIER: US 4888170 A

TITLE: Vaccines obtained from antigenic gene products of recombinant genes

DATE-ISSUED: December 19, 1989

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Curtiss, III; Roy	St. Louis	MO		

US-CL-CURRENT: 424/200.1; 424/244.1, 424/258.1, 435/252.3, 435/252.8

Full	Title	Citation	Front	Review	Classification	Date	Reference
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☐ 27. Document ID: US 4681762 A

L4: Entry 27 of 38

File: USPT

Jul 21, 1987

US-PAT-NO: 4681762

DOCUMENT-IDENTIFIER: US 4681762 A

TITLE: Genetically attenuated bacterial vaccines with multiple mutations of the same phenotype

DATE-ISSUED: July 21, 1987

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oeschger; Max P.	Silver Spring	MD		
Hooke; Anne M.	Annandale	VA		
Bellanti; Joseph A.	Bethesda	MD		

US-CL-CURRENT: 424/256.1; 424/830, 435/245, 435/444

Full	Title	Citation	Front	Review	Classification	Date	Reference
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☐ 28. Document ID: US 4658021 A

L4: Entry 28 of 38

File: USPT

Apr 14, 1987

US-PAT-NO: 4658021

DOCUMENT-IDENTIFIER: US 4658021 A

TITLE: Methionyl human growth hormone

DATE-ISSUED: April 14, 1987

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goeddel; David V.	Burlingame	CA		
Heyneker; Herbert L.	Burlingame	CA		

US-CL-CURRENT: 530/399; 930/120

Full	Title	Citation	Front	Review	Classification	Date	Reference
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☐ 29. Document ID: US 4634677 A

L4: Entry 29 of 38

File: USPT

Jan 6, 1987

US-PAT-NO: 4634677

DOCUMENT-IDENTIFIER: US 4634677 A

TITLE: Plasmid capable of expressing human growth hormone

DATE-ISSUED: January 6, 1987

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goeddel; David V.	Burlingame	CA		
Heyneker; Herbert L.	Burlingame	CA		

US-CL-CURRENT: 435/320.1; 536/23.51, 930/120

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 30. Document ID: US 4601980 A

L4: Entry 30 of 38

File: USPT

Jul 22, 1986

US-PAT-NO: 4601980

DOCUMENT-IDENTIFIER: US 4601980 A

TITLE: Microbial expression of a gene for human growth hormone

DATE-ISSUED: July 22, 1986

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goeddel; David V.	Burlingame	CA		
Heyneker; Herbert L.	Burlingame	CA		

US-CL-CURRENT: 435/69.4; 930/120

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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L4: Entry 31 of 38

File: USPT

May 8, 1984

US-PAT-NO: 4447538

DOCUMENT-IDENTIFIER: US 4447538 A

TITLE: Microorganism containing gene for human chorionic somatomammotropin

DATE-ISSUED: May 8, 1984

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goodman; Howard M.	San Francisco	CA		
Shine; John	San Francisco	CA		
Seeburg; Peter H.	San Francisco	CA		

US-CL-CURRENT: 435/252.33; 930/120[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#)[KIMC](#) [Draw Desc](#) [Image](#)☐ **32. Document ID: US 4407948 A**

L4: Entry 32 of 38

File: USPT

Oct 4, 1983

US-PAT-NO: 4407948

DOCUMENT-IDENTIFIER: US 4407948 A

TITLE: Purification of nucleotide sequences suitable for expression in bacteria

DATE-ISSUED: October 4, 1983

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goodman; Howard M.	San Francisco	CA		
Shine; John	San Francisco	CA		
Seeburg; Peter H.	San Francisco	CA		

US-CL-CURRENT: 435/91.52; 435/270, 435/91.53, 536/23.1, 930/10, 930/120[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#)[KIMC](#) [Draw Desc](#) [Image](#)☐ **33. Document ID: US 4363877 A**

L4: Entry 33 of 38

File: USPT

Dec 14, 1982

US-PAT-NO: 4363877

DOCUMENT-IDENTIFIER: US 4363877 A

TITLE: Recombinant DNA transfer vectors

DATE-ISSUED: December 14, 1982

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goodman; Howard M.	San Francisco	CA		
Shine; John	San Francisco	CA		
Seeburg; Peter H.	San Francisco	CA		

US-CL-CURRENT: 435/320.1; 435/69.4, 435/849, 435/91.41, 536/23.51, 930/10, 930/120

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 34. Document ID: US 4337314 A

L4: Entry 34 of 38

File: USPT

Jun 29, 1982

US-PAT-NO: 4337314

DOCUMENT-IDENTIFIER: US 4337314 A

TITLE: Genetically attenuated bacterial vaccines with multiple mutations of the same phenotype

DATE-ISSUED: June 29, 1982

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oeschger; Max P.	Silver Spring	MD		
Hooke; Anne M.	Annandale	VA		
Bellantini; Joseph A.	Bethesda	MD		

US-CL-CURRENT: 435/252.3; 424/256.1, 424/830, 435/851

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 35. Document ID: US 4208187 A

L4: Entry 35 of 38

File: USPT

Jun 17, 1980

US-PAT-NO: 4208187

DOCUMENT-IDENTIFIER: US 4208187 A

TITLE: Diagnostic test

DATE-ISSUED: June 17, 1980

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Givner; Morris L.	Pierrefonds			CAX

US-CL-CURRENT: 436/521; 210/645, 422/101, 422/59, 422/69, 436/543, 436/547,  
436/807, 436/808, 436/814, 436/817, 436/818, 436/825, 436/826

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KIMC	Draw Desc	Image
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☐ 36. Document ID: US 4190495 A

L4: Entry 36 of 38

File: USPT

Feb 26, 1980

US-PAT-NO: 4190495

DOCUMENT-IDENTIFIER: US 4190495 A

TITLE: Modified microorganisms and method of preparing and using same

DATE-ISSUED: February 26, 1980

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Curtiss, III; Roy	Birmingham	AL		

US-CL-CURRENT: 435/91.1; 435/849, 435/91.4

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KIMC	Draw Desc	Image
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☐ 37. Document ID: US 4123510 A

L4: Entry 37 of 38

File: USPT

Oct 31, 1978

US-PAT-NO: 4123510

DOCUMENT-IDENTIFIER: US 4123510 A

TITLE: Method for the determination of gonadotropins

DATE-ISSUED: October 31, 1978

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Banik; Upendra K.	Pierrefonds			CAX
Givner; Morris L.	Pierrefonds			CAX

US-CL-CURRENT: 436/520; 210/639, 210/651, 424/531, 424/546, 436/534, 436/811,  
436/814, 436/817, 436/818, 436/825

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KIMC	Draw Desc	Image
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☐ 38. Document ID: US 4123509 A

L4: Entry 38 of 38

File: USPT

Oct 31, 1978

US-PAT-NO: 4123509

DOCUMENT-IDENTIFIER: US 4123509 A

TITLE: Pregnancy test

DATE-ISSUED: October 31, 1978

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Banik; Upendra K.	Pierrefonds			CAX
Givner; Morris L.	Pierrefonds			CAX

US-CL-CURRENT: 436/520; 210/651, 424/531, 424/546, 436/807, 436/814, 436/818, 436/825

Full	Title	Citation	Front	Review	Classification	Date	Reference
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L4: Entry 31 of 38

File: USPT

May 8, 1984

US-PAT-NO: 4447538

DOCUMENT-IDENTIFIER: US 4447538 A

TITLE: Microorganism containing gene for human chorionic somatomammotropin

DATE-ISSUED: May 8, 1984

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goodman; Howard M.	San Francisco	CA		
Shine; John	San Francisco	CA		
Seeburg; Peter H.	San Francisco	CA		

US-CL-CURRENT: 435/252.33; 930/120

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>
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<a href="#">KIMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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☐ 32. Document ID: US 4407948 A

L4: Entry 32 of 38

File: USPT

Oct 4, 1983

US-PAT-NO: 4407948

DOCUMENT-IDENTIFIER: US 4407948 A

TITLE: Purification of nucleotide sequences suitable for expression in bacteria

DATE-ISSUED: October 4, 1983

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goodman; Howard M.	San Francisco	CA		
Shine; John	San Francisco	CA		
Seeburg; Peter H.	San Francisco	CA		

US-CL-CURRENT: 435/91.52; 435/270, 435/91.53, 536/23.1, 930/10, 930/120

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>
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☐ 33. Document ID: US 4363877 A

L4: Entry 33 of 38

File: USPT

Dec 14, 1982

US-PAT-NO: 4363877

DOCUMENT-IDENTIFIER: US 4363877 A

TITLE: Recombinant DNA transfer vectors

DATE-ISSUED: December 14, 1982

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goodman; Howard M.	San Francisco	CA		
Shine; John	San Francisco	CA		
Seeburg; Peter H.	San Francisco	CA		

US-CL-CURRENT: 435/320.1; 435/69.4, 435/849, 435/91.41, 536/23.51, 930/10, 930/120

Full	Title	Citation	Front	Review	Classification	Date	Reference
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☐ 34. Document ID: US 4337314 A

L4: Entry 34 of 38

File: USPT

Jun 29, 1982

US-PAT-NO: 4337314

DOCUMENT-IDENTIFIER: US 4337314 A

TITLE: Genetically attenuated bacterial vaccines with multiple mutations of the same phenotype

DATE-ISSUED: June 29, 1982

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oeschger; Max P.	Silver Spring	MD		
Hooke; Anne M.	Annandale	VA		
Bellanti; Joseph A.	Bethesda	MD		

US-CL-CURRENT: 435/252.3; 424/256.1, 424/830, 435/851

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 35. Document ID: US 4208187 A

L4: Entry 35 of 38

File: USPT

Jun 17, 1980

US-PAT-NO: 4208187

DOCUMENT-IDENTIFIER: US 4208187 A

TITLE: Diagnostic test

DATE-ISSUED: June 17, 1980

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Givner; Morris L.	Pierrefonds			CAX

US-CL-CURRENT: 436/521; 210/645, 422/101, 422/59, 422/69, 436/543, 436/547,  
436/807, 436/808, 436/814, 436/817, 436/818 , 436/825, 436/826

Full	Title	Citation	Front	Review	Classification	Date	Reference
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☐ 36. Document ID: US 4190495 A

L4: Entry 36 of 38

File: USPT

Feb 26, 1980

US-PAT-NO: 4190495

DOCUMENT-IDENTIFIER: US 4190495 A

TITLE: Modified microorganisms and method of preparing and using same

DATE-ISSUED: February 26, 1980

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Curtiss, III; Roy	Birmingham	AL		

US-CL-CURRENT: 435/91.1; 435/849, 435/91.4

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 37. Document ID: US 4123510 A.

L4: Entry 37 of 38

File: USPT

Oct 31, 1978

US-PAT-NO: 4123510

DOCUMENT-IDENTIFIER: US 4123510 A

TITLE: Method for the determination of gonadotropins

DATE-ISSUED: October 31, 1978

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Banik; Upendra K.	Pierrefonds			CAX
Givner; Morris L.	Pierrefonds			CAX

US-CL-CURRENT: 436/520; 210/639, 210/651, 424/531, 424/546, 436/534, 436/811,  
436/814, 436/817, 436/818, 436/825

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 38. Document ID: US 4123509 A

L4: Entry 38 of 38

File: USPT

Oct 31, 1978

US-PAT-NO: 4123509

DOCUMENT-IDENTIFIER: US 4123509 A

TITLE: Pregnancy test

DATE-ISSUED: October 31, 1978

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Banik; Upendra K.	Pierrefonds			CAX
Givner; Morris L.	Pierrefonds			CAX

US-CL-CURRENT: 436/520; 210/651, 424/531, 424/546, 436/807, 436/814, 436/818, 436/825

Full	Title	Citation	Front	Review	Classification	Date	Reference
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